## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

FRIEND et al.

Serial No. 09/847,588

Filed: May 3, 2001



Group Art Unit: 1636

Examiner: Unassigned

For: PHARMACEUTICALLY TRACTABLE SECONDARY DRUG TARGETS, METHODS OF IDENTIFICATION AND THEIR USE IN THE CREATION OF SMALL MOLECULE **THERAPEUTICS** 

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D. C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Copies of the cited references are submitted herewith.

Docket No.: PH112913.108 MZR215538.00108

Customer No. 27160

<u>PATENT</u> Serial No. <u>09/847,588</u>

## <u>AUTHORIZATION</u>

This Information Disclosure Statement is being filed before receipt of the first Office Action. No fee is believed required. However, the Commissioner is hereby authorized to charge any additional fees which may be required for this submission, or credit any overpayment to Deposit Account No. 50-0436.

Respectfully submitted,

Corinne M. Pouliquen Registration No. 35,753

Patent Administrator KATTEN MUCHIN ZAVIS ROSENMAN 525 West Monroe Street, Suite 1600 Chicago, IL 60661-3693

Facsimile: (312) 902-1061 Phone: (202) 625-3500

Date: 15, 2002

DC:4124643v1-112913.108

Customer No. 27160

/	OIP	E	15
<i>(</i>	APR 1,1:5	2002	<b>13</b>
		ć	<u>s</u>

PATENT RECEIVEL

## SERIAL NO. 09/847,588 APP 1 7 2002 TECH CENTER 1600/2900 ATTY. DOCKET NO. LIST OF ART CITED BY APPLICANT 112913.108 APPLICANT FRIEND et al. (PTO-1449) FILING DATE May 3, 2001 1636 U.S. PATENT DOCUMENTS EXAMINER' PATENT NO. CLASS SUBCLASS DATE FILING NAME S INITIALS DATE FOREIGN PATENT DOCUMENTS EXAMINER' PATENT NO. CLASS **SUBCLASS** DATE COUNTRY Translation **SINITIALS** OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Koberle et al., "DNA repair capacity and cisplatin sensitivity of human testis tumour cells"; Int. J. Cancer, vol. 70, no. 551 (1997) Comis, R.L., "Cisplatin: The Future"; Semin. Oncol., vol. 21, no. 109 (1994) Hahn, H. et al., "Mutations of the Human homolog of Drosophila patched in the nevoid basal cell carcinoma syndrome"; Cell, vol. 85, 1996: 841-51 Johnson, R.L. et al., "Human homolog of patched, a candidate gene for the basal cell nevus syndrome"; Science, vol. 272, 1996: 1668-71 Rijsewijk, F. et al., "The Drosophila homolog of the mouse mammary oncogene int-1 is identical to the segment polarity gene wingless"; Cell, vol. 50, 1987: 649-57 Gibbs, J.B. et al., "Pharmaceutical research in molecular oncology"; Cell, vol. 79, 1994: 193-8 Sekelsky, J.J. et al., "Genetic characterization and cloning of mothers against dpp, a gene required for decapentaplegic function in Drosophila melanogaster"; Genetics, vol. 139, 1995: 1347-58 Doye et al., "Genetic approaches to nuclear pore structure and function"; Trends in Genet., vol. 11, 1995: 235 Koshland, J.C. et al., "Genetic analysis of the mitotic transmission of minichromosomes"; Cell, vol. 40, 1985: 393 Hieter, C. et al., "Mitotic stability of yeast chromosomes: a colony color assay that measures nondisjunction and chromosome loss"; Cell, vol. 40, 1985: 381 Riles, L. et al., "Nonsense mutations in essential genes of Saccharomyces cerevisiae"; Genetics, vol. 118, 1988: Bender, A. et al., "Use of a screen for synthetic lethal and multicopy suppressee mutants to identify two new genes involved in morphogenesis in Saccharomyces cerevisiae"; Mol. Cell. Biol., vol. 11, 1991: 1295 Kaiser, C.A. et al., "Distinct sets of SEC genes govern transport vesicle formation and fusion early in the secretory pathway"; Cell, vol. 61, 1990: 723 Wilbur, W.J., et al., "Rapid similarity searches of nucleic acid and protein data banks"; Proceedings of Natl. Acad. of Sci. U.S.A. vol. 80, 1983: 726-30 Weinert, T.A., "Dual cell cycle checkpoints sensitive to chromosome replication and DNA damage in the budding yeast Saccharomyces cerevisiae"; Radiat. Res., vol. 132, 1992: 141-3 Longhese, M.P. et al., "Yeast pip3/mec3 mutants fail to delay entry into S phase and to slow DNA replication in response to DNA damage, and they define a functional link between Mec3 and DNA primase"; Mol. Cell. Biol., vol. 16, 1996: 3235-44 Williams, B.O. et al., "Mechanisms of carcinogenesis and the mutant mouse"; Curr. Opin. Genet. Dev., vol. 6, 1996: 65 Kinzler, K.W. et al., "Lessons from hereditary colorectal cancer"; Cell, vol. 87, 1996: 159 Louis, D.N. et al., "A tiger behind many doors: multiple genetic pathways to malignant glioma": Trends Genet. vol. 11, 1995: 412 Tlsty, T.D. et al., "Loss of chromosomal integrity in neoplasia"; Cold Spring Harbor Symp. Quant. Biol., vol. 58, 1993: 645

Docket No.: <u>PH112913.1087KMZR21558000708</u> Customer No. 27160

PATENT Serial No. 09/847,588 NECEIVED

	\	2/2	ADD 4 .
	OTHER ART (Including Juthor, Title		APR 1 7 2002
	Vogelstein, B. et al., "Allelotype of colorecte hours	mas"; Science, vol. 244, 1989: 207	
	Lengauer, C. et al., "Genetic instability in colorectal	cancers"; Nature, vol. 386, 1997: 623	CH CENTER 1600/2900
	Hartwell, L.H. et al., "Cell cycle control and cancer";	Science, vol. 266, 1994: 1821	1 1000/2300
	Hartwell, L.H. et al., "Checkpoints: controls that ens 629-34	ure the order of cell cycle events"; Science, vo	ol. 246, 1989:
	Sherr, C.J., "Cancer cell cycles"; Science, vol. 274, 1996: 1672		
	Friedberg, E.C. et al., "DNA Repair & Mutagenesis"; Am. Soc. for Microbiol. Press, Wash. DC, 1995		
	Kornberg, A. et al., "DNA Replication", 2nd Ed., W.H. Freeman & Co., NY		
	Kolodner, R. et al., "Biochemistry and genetics of eukaryotic mismatch repair"; Genet. Dev., vol. 10, 1996: 1433		
	Morrison, A. et al., "Pathway correcting DNA replication errors in <u>Saccharomyces cerevisiae";</u> EMBO J., vol. 12, 1993: 1467		
	Clibly, et al., "Overexpression of a kinase-inactive ATR protein causes sensitivity to DNA-damaging agents and defects in cell cycle checkpoints"; EMBO J., vol. 17, 1998: 159-69		
	Neufeld et al., "A genetic screen to identify components of the <u>sina</u> signaling pathway in Drosophila eye development"; Genetics, vol. 148, 1998: 1-10		a eye
	Grigliatti, T., Drosophila: A practical approach." IRL Press; Oxford, Washington 1986:39-58		
	Gura, T., "Systems for identifying new drugs are often faulty"; Science, vol. 278, Nov. 1997: 1041-42		
EXAMINER		DATE CONSIDERED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.